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INFORMATION DISCLOSURE STATEMENT BY APPLICANT

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Application Number	09/911,04/1/1600
Filing Date	July 23, 2001 00/2000
First Named Inventor	Glen H. ERIKSON
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U.S. PATENT DOCUMENTS

	U.S. FATENT DOCUMENTS										
Examiner Initials*	Cite No.	U.S. Patent Docum Number	Kind Code (if known)	Name of Patentee or Applicant of Cited Document	Date of Publication of Cited Document MM-DD-YYYY						
M		U.S. No. 4,220,450		MAGGIO	09-02-1980						
		U.S. No. 4,876,187		DUCK et al.	10-24-1989						
		U.S. No. 4,963,477		TCHEN	10-16-1990						
		U.S. No. 5,011,769		DUCK et al.	04-30-1991						
		U.S. No. 5,332,659		KIDWELL	07-26-1994						
		U.S. No. 5,403,711		WALDER et al.	04-04-1995						
		U.S. No. 5,538,848		LIVAK et al.	07-23-1996						
		U.S. No. 5,539,082		NIELSEN et al.	07-23-1996						
		U.S. No. 5,558,998		HAMMOND et al.	09-24-1996						
		U.S. No. 5,660,988		DUCK et al.	08-26-1997						
		U.S. No. 5,705,346		OKAMOTO et al.	01-06-1998						
		U.S. No. 5,707,801		BRESSER et al.	01-13-1998						
1	-	U.S. No. 5,731,146		DUCK et al.	03-24-1998						
		U.S. No. 5,800,984		VARY	09-01-1998						

FOREIGN PATENT DOCUMENTS

Examine	Α.	1000	Foreign Patent Documen	ł	Name of Patentee or Applicant of Cited Document	Date of Publication of Cited Document	7
Initials*	, 10°.	Office	Number	Kind Code (If known)	Name of Faterities of Applicant of Cited Document	MM-DD-YYYY	'

OTHER DOCUMENTS - NON PATENT LITERATURE DOCUMENTS

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Examiner Initials*	Cite No.	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published.	Т
m		ABSTRACT of JP 5237000, YOSHITAMI (09-17-1993)	
		BARAN et al., Nucleic Acids Research 25:297-303 (1997)	
		BOHMANN et al., Science, 238:1386-1392 (Dec.1987)	
		CARLSSON et al., 380 Nature 207 (March 21, 1996)	
		CHAN et al., J. Mol. Med. 75 Issue 4:267-282 (1997)	
		DALRYMPLE et al., Nucleic Acids Research, Vol. 13, No. 21, pp. 7865-7879 (1985)	
		DURLAND et al., Biochemistry, 30:9246-9255 (1991)	
		EGHOLM et al., 365 Nature 566 (7 October 1993)	
		FLORIS et al., 260 Eur. J. Biochem. 801-809 (1999)	
h		HILL et al., Methods in Enzymology, 278:390-416 (1997)	
EXAMINER		DATE CONSIDERED OUT TO	- ,

^{*}Examiner: Initial if citation considered, whether or not citation is in conformance with MPEP § 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

Please type a plus sign (+) inside this box Approved for use through 10/ U.S. Patent and Trademark Office: U.S. DEBA Under the Pacework Reduction Act (\$195, no persons are required to respond to a collection of information unless it contains a valid OMR control number Complete if Know **Application Number** INFORMATION DISCLOSURE Filing Date July 23, 2001 STATEMENT BY APPLICANT First Named Inventor Glen H. ERIKSON (use as many sheet as necessary) Group Art Unit 1655 **Examiner Name Attorney Docket** E1047/20060 Number 2 3 Sheet of **U.S. PATENT DOCUMENTS** U.S. Patent Document Date of Publication Name of Patentee or Applicant of Cited Document of Cited Document Examiner Cite Number Kind Code MM-DD-YYYY Initials* No. (if known) U.S. No. 5,800,992 FODOR et al. 09-01-1998 U.S. No. 5,814,447 ISHIGURO et al. 09-29-1998 **VO-DINH** U.S. No. 5,814,516 09-29-1998 U.S. No. 5,824,477 STANLEY 10-20-1998 U.S. No. 5,824,557 BURKE et al. 10-20-1998 U.S. No. 5,846,729 WU et al. 12-08-1998 U.S. No. 5,861,124 HOSOI et al. 01-19-1999 U.S. No. 5,874,555 DERVAN et al. 02-23-1999 U.S. No. 5,888,739 PITNER et al. 03-30-1999 U.S. No. 5,912,332 AGRAWAL et al. 06-15-1999 U.S. No. 5,948,897 SEN et al. 09-07-1999 U.S. No. 6,013,442 KOLESAR et al. 01-11-2000 U.S. No. 6,017,709 HARDIN et al. 02-25-2000 U.S. No. 6,027,880 CRONIN et al. 02-22-2000 U.S. No. 6,046,004 WU et al. 04-04-2000

FOREIGN PATENT DOCUMENTS

Examiner Initials*	Çite		Foreign Patent Documen		Name of Patentee or Applicant of Cited Document	Date of Publication of Cited Document	7
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OTHER DOCUMENTS - NON PATENT LITERATURE DOCUMENTS

Examiner Initials*	Cite No.	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, etc.), date, page(s), votume-issue number(s), publisher, city and/or country where published.	т
M		JOHANSEN and JACOBSEN, J Biomol Struct Dyn, 16(2):205-22 (1998 Oct) (Abstract)	
	 	KADONAGA et al., Cell, 51:1079-1090 (Dec. 24, 1987)	
		KUKRETI et al. 25 Nucleic Acids Research 4264-4270 (1997)	
		MARSH et al., Nucleic Acids Research, 23:696-700 (1995)	
		MARSH et al., Biochemistry 33:10718-10724 (1994)	
		MAZUMDER et al., Biochemistry 35:13762-13771 (1996)	
	· · · · · · · · · · · · · · · · · · ·	SEN et al., Nature 334:364-366 (1988)	
W		SEN et al., Biochemistry 31:65-70 (1992)	

EXAMINER DATE CONSIDERED * Examiner: Initial if citation considered, whether or not citation is in conformance with MPEP § 609. Draw line through citation if not

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Examiner Initials*	Ci N		Number Kind Code			t	of Cited Docur	ment							
1/2		U.S. No. 6,048,690				(if kno	own)	HE	LLER et al.			04-11-200			
			U.S. No. 6,060,242						NI	E et al.		·	05-09-200	0	
			U.S. No. 6,107,078						KE	ESE et al.	08-22-200	0			
			U.S. No. 6,117,657					US	SMAN et al.	09-12-200	0				
			U.S. No. 6,251,591			1			J et al.			06-26-200	1		
			U.S. No. 6,255,050			 			E et al.			07-03-200			
			U.S. No. 6,265,170							CARD et al.			07-24-200	1	
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			U.S. ASN 09/664,827					,420,	45		RIKSON et al. RIKSON et al.			ļ	
		 -				9/713,1					IKSON et al.			<u> </u>	
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Initials*	No	·				date	, page(s)	volume-is:	sue numb	per(s	publisher, city and/or country where 82-1599 (1988)	published.			
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Approved for use through 10/31/2002. OMB 0651-0031
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